505199890 11/20/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WOJCIECH DYSZKIEWICZ	08/01/2016
DANIEL CASSAR	08/08/2016
JOHN M. CRANE	07/27/2016
SACHIN TERDALKAR	07/27/2016
RAJESH RAJARAM	07/27/2016

RECEIVING PARTY DATA

Name:	SIEMENS ENERGY, INC.
Street Address:	4400 ALAFAYA TRAIL
City:	ORLANDO
State/Country:	FLORIDA
Postal Code:	32826-2399

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16303434

CORRESPONDENCE DATA

Fax Number: (407)243-3175

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 407-736-2472

Email: ipdadmin.us@siemens.com **Correspondent Name:** SIEMENS CORPORATION

Address Line 1: 3501 QUADRANGLE BLVD STE 230

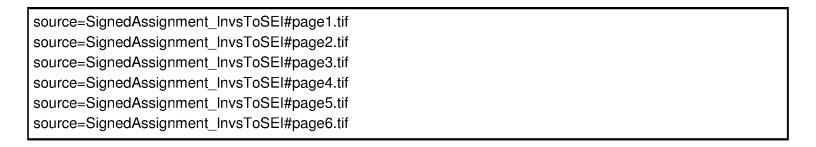
Address Line 2: INTELLECTUAL PROPERTY
Address Line 4: ORLANDO, FLORIDA 32817

ATTORNEY DOCKET NUMBER:	2016P06748WOUS
NAME OF SUBMITTER:	ANN HICKEY
SIGNATURE:	/ANN HICKEY/
DATE SIGNED:	11/20/2018

Total Attachments: 6

PATENT REEL: 047555 FRAME: 0734

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PATENT REEL: 047555 FRAME: 0735

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ASSIGNMENT

For good and valuable consideration, I (We),

Wojciech Dyszkiewicz, residing at 2609 Wensley Drive, Charlotte, NC 28210, US, citizen of PL Daniel Cassar, residing at 1309 Mockingbird Lane, Charlotte, NC 28209, US, citizen of US John M. Crane, residing at 2260 E. Riviera Boulevard, Oviedo, FL 32765, US, citizen of US Sachin Terdalkar, residing at 4040 New Broad Circle, Apt 304, Oviedo, FL 32765, US, citizen of IN

Rajesh Rajaram, residing at 2011 E. Hampton Circle, Winter Park, FL 32792, US, citizen of IN

hereafter individually or collectively referred to as "Assignor(s)";

Hereby, (I) acknowledge having previously assigned, sold and transferred to **Siemens Energy, Inc.**, a corporation organized and existing under the laws of the State of DELAWARE, having its principal place of business at 4400 Alafaya Trail, Orlando, FL 32826-2399, hereinafter "Assignee", its successors, assigns and legal representatives, or to a predecessor of Assignee, pursuant to (A)(i) the laws of UNITED STATES OF AMERICA or (ii) a Patent & Secrecy Agreement or similar legal document such as, without limitation, an employee agreement executed at the time of entering into the employment of, or executed as a condition of continuing employment with, the Assignee or a predecessor of the Assignee, the entire right, including any and all priority rights, title and interest, in and for the United States and all foreign countries, in and to any and all inventions or improvements which are disclosed in an invention disclosure and/or in the below-identified documents currently filed with this Assignment, already filed or granted for Letters Patent (in which case, any provision of the subject Assignment that is in conflict with or is in addition to any provision in the prior agreement(s) or assignment(s) then this Assignment shall govern, take precedence, and be of legal effect), or

(B)(i) to the extent such laws of UNITED STATES OF AMERICA or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s)

Patent Application Title: RESONATOR FOR GAS TURBINE COMBUSTION SYSTEM

Filing Date: 25 Jul 2016

Filing Number: PCT/US2016/043856 Internal Case Number(s): 2016P06748WO

and in and to said application(s) or granted patents and all applications claiming priority to said application or granted patent, including, without limitation, and all divisional, continuing, substitute,

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renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of the inventions and/or improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on the inventions and/or improvements;

(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Witness Signature	Wojciech Dyszkiewicz
Idriss Moluh Njinogha printed name	8-/-2016 Date
Witness Signature	Dankel Cassar
Ambur Cassar printed name	8/8/2016 Date
Witness Signature	John M. Crane
printed name	Date

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Witness Signature	Sachin Terdalkar
printed name	Date
Witness Signature	Rajesh Rajaram
printed name	Date
Companies Representative(s) Siemens Energy, Inc.	
Signature(s): Daniel J. Staudt	·
Title: Assistant Secretary Date: 31 Aug (6	· ·

PATENT REEL: 047555 FRAME: 0738

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ASSIGNMENT

For good and valuable consideration, I (We),

Wojciech Dyszkiewicz, residing at 2609 Wensley Drive, Charlotte, NC 28210, US, citizen of PL Daniel Cassar, residing at 1309 Mockingbird Lane, Charlotte, NC 28209, US, citizen of US John M. Crane, residing at 2260 E. Riviera Boulevard, Oviedo, FL 32765, US, citizen of US Sachin Terdalkar, residing at 4040 New Broad Circle, Apt 304, Oviedo, FL 32765, US, citizen of IN

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(B)(i) to the extent such laws of UNITED STATES OF AMERICA or such Patent & Secrecy Agreement or similar legal document failed or fails, in whole or part, to have assigned, sold or transferred the entire right (including priority rights), title and interest, in and for the United States and all foreign countries, in and to all inventions or improvements which are disclosed in the below-identified application(s) or pending application(s) or granted Letters Patent, or (ii) if no such agreement(s) exist assigning, selling or transferring any such right (including priority rights), title or interest; then for good and valuable consideration, Assignor(s) now and hereby, effective Nunc Pro Tunc on the filing date of the below identified patent application(s), pending patent application(s) or granted Letter Patent(s), assign, sell and transfer(s) to Assignee, its successors, assigns and legal representatives, the entire right, (including all priority rights), title and interest in and for the United States and all foreign countries, in and to any and all inventions and/or improvements which are disclosed in the following identified; patent application(s), pending patent application(s) or granted Letter Patent(s)

Patent Application Title: RESONATOR FOR GAS TURBINE COMBUSTION SYSTEM

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(II) Agree that said Assignee may apply for and receive Letters Patent for said inventions and/or improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said inventions and/or improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said inventions and/or improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions and/or improvements and for vesting title to said inventions and or improvements and all applications for patents and all patents on said inventions and/or improvements, in said Assignee, its successors, assigns and legal representatives; and

(III) Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Witness Signature	Wojciech Dyszkiewicz
printed name	 Date
Witness Signature	Daniel Cassar
printed name	Date .
Witness Signature	John M. Crane
ENRIQUE FORTIUM	7/27/2016 Date

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Factory Fand Witness Signature	Sachin Terdalkar
Farinaz Farid printed name	07/27/16 Date
Witness Signature	Rajesh Rajaram
ENRIUE FOLTILLO printed name	Z016/07/27- Date
Companies Representative(s) Siemens Energy, Inc. Signature(s): Daniel J. Staudt	·
Title: Assistant Secretary	
Date: 31 Aug 16	

RECORDED: 11/20/2018